

# WATER QUALITY MEMORANDUM

## Utah Coal Regulatory Program

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March 24, 2010

TO: Internal File

THRU: Daron Haddock, Permit Supervisor

FROM: James D. Smith, Environmental Scientist *JS 03/24/10*

RE: 2009 Third Quarter Water Monitoring, PacifiCorp, Cottonwood/Wilberg Mine, C/015/0019, Task ID #3376

The Cottonwood/Wilberg Mine monitoring plan is described in Appendix A of Volume 9 of the MRP.

There are no springs monitored at this site. The mine was sealed May 10, 2001, so in-mine monitoring sites TMA @ 32 and 2<sup>nd</sup> S XC-11 are no longer accessible. WCWR1 at the Waste Rock Site is the only well monitored. The pond at the Cottonwood Fan Portal was reclaimed in 2002 so UPDES 22896-002 is no longer reported to DOGM or the Division of Water Quality.

### 1. Were data submitted for all of the MRP required sites?

#### Streams

YES ☒ NO ☐

For July and August, only flow is to be reported for CCC1 in Cottonwood Canyon and GWR01, GWR02, and GWR03 in Grimes Wash. In September, field parameters are to be reported for CCC1 and operational parameters for the three sites in Grimes Wash. For the 3<sup>rd</sup> Quarter 2009, all required parameters were measured at CCC1 and no-flow was reported for Grimes Wash.

#### Wells

YES ☒ NO ☐

WCWR1 at the Waste Rock Site is the only well monitored: it is monitored once a quarter for operational parameters plus B and Se.

#### UPDES

YES ☒ NO ☐

DMRs are submitted in electronic format (Adobe): DMR data are submitted to the DOGM database as operational parameters, not as DMR parameters. During the 3<sup>rd</sup> Quarter 2009, there was discharge all three months at outfall 22896-001, and no discharge at outfalls 22896-004, 22896-004, and 22896-004.

### 2. Were all required parameters reported for each site?

<b>Streams</b>	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>
<b>Wells</b>	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>
<b>UPDES</b>	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>

**3. Were any irregularities found in the data?**

Listed parameters were outside two standard deviations.

<b>Streams</b>	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>
<b>Wells</b>	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>
WCWR1 <u>September</u> : Mg.		
<b>UPDES</b>	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>

**4. On what date does the MRP require a five-year resampling of baseline water data.**

The Division received the permit renewal submittal on 03/09//09, for renewal on 07/06/09. Baseline analyses were performed in 2001 and 2006 and the next five-year baseline analyses will be in 2011.

**5. Based on your review, what further actions, if any, do you recommend?**

No further action is required at this time.

**6. Does the Mine Operator need to submit more information to fulfill this quarter's monitoring requirements?** YES ☐ NO ☒

**7. Follow-up from last quarter, if necessary.**

None.

**8. Did the Mine Operator submit all missing and/or irregular data?**

NA